Quantitation Report (LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022425\
Data File : BF141737.D
Acq On : 24 Feb 2025 11:27
Operator : RC/JU
Sample : Q1397-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP8

Quant Time: Feb 24 11:54:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	83842	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	335753	20.000	ng	-0.02
39) Acenaphthene-d10	9.810	164	177762	20.000	ng	-0.02
64) Phenanthrene-d10	11.298	188	295344	20.000	ng	-0.02
76) Chrysene-d12	13.933	240	186258	20.000	ng	-0.03
86) Perylene-d12	15.380	264	196166	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	633331	118.425	ng	0.00
7) Phenol-d6	6.422	99	784939	116.126	ng	-0.02
23) Nitrobenzene-d5	7.345	82	510976	79.379	ng	-0.02
42) 2,4,6-Tribromophenol	10.604	330	179850	100.717	ng	-0.02
45) 2-Fluorobiphenyl	9.134	172	964851	83.623	ng	-0.02
79) Terphenyl-d14	12.880	244	950817	86.178	ng	-0.02
Target Compounds						Qvalue
71) Phenanthrene	11.322	178	79173	4.870	ng	99
75) Fluoranthene	12.510	202	140598	8.157	ng	99
78) Pyrene	12.739	202	117646	7.420	ng	99
81) Benzo(a)anthracene	13.927	228	56315	4.548	ng	97
83) Chrysene	13.963	228	45393	3.971	ng	96
87) Indeno(1,2,3-cd)pyrene	16.804	276	32005	2.640	ng	97
88) Benzo(b)fluoranthene	14.963	252	64886m	4.926	ng	
90) Benzo(a)pyrene	15.315	252	45755	4.293	ng	96
92) Benzo(g,h,i)perylene	17.239	276	32279	3.141	ng	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report   (LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022425\
Data File : BF141737.D
Acq On   : 24 Feb 2025 11:27
Operator : RC/JU
Sample   : Q1397-05
Misc   :
ALS Vial : 5   Sample Multiplier: 1

Instrument :
BNA_F
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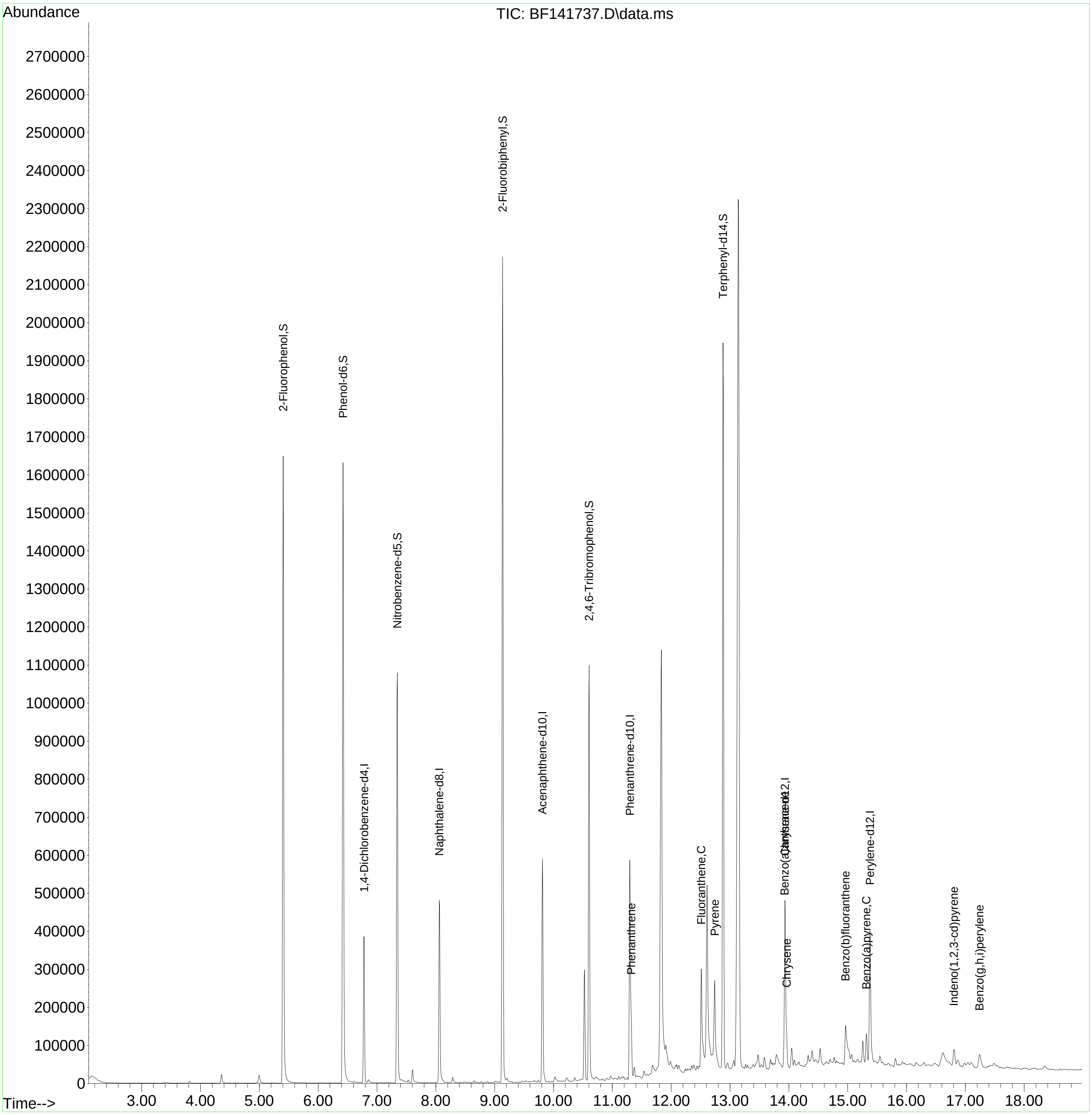
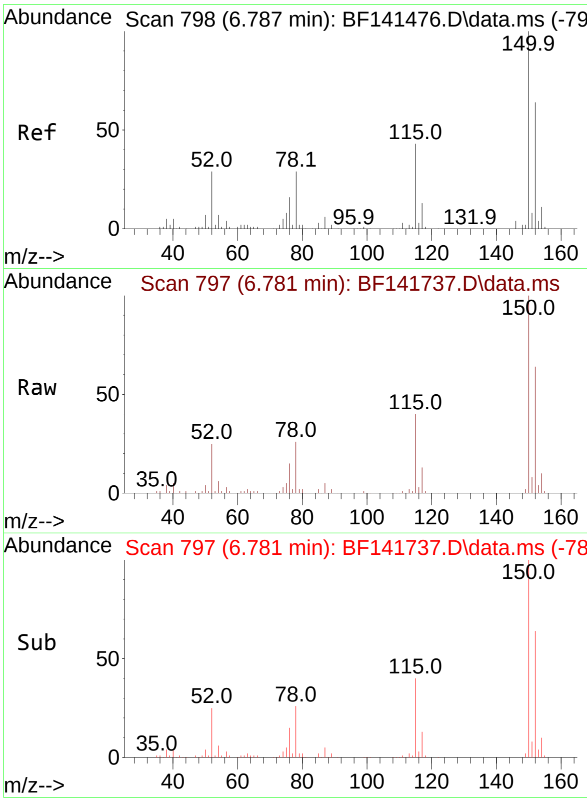


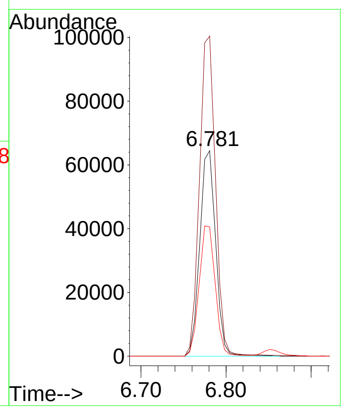


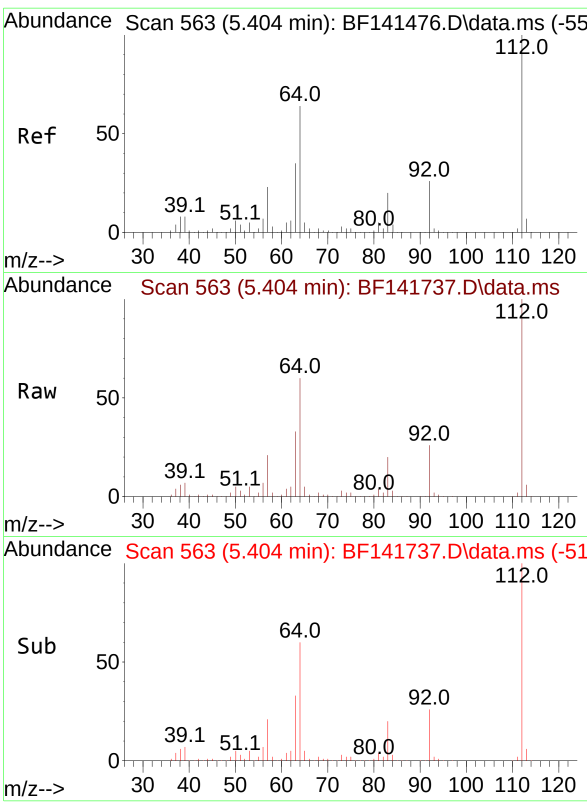
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 7
Delta R.T. -0.011 min
Lab File: BF141737.D
Acq: 24 Feb 2025 11:27

Instrument :
BNA_F
ClientSampleId :
TP8

Tgt Ion:152 Resp: 83842

Ion	Ratio	Lower	Upper
152	100		
150	155.8	125.0	187.4
115	62.9	53.6	80.4

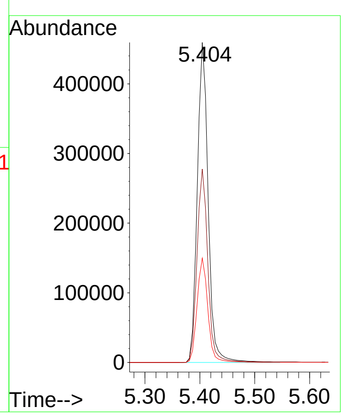


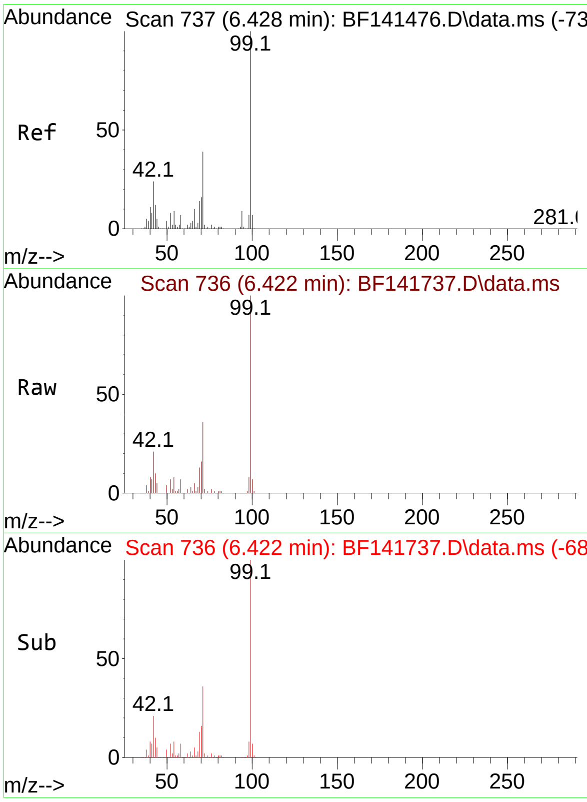


#5
2-Fluorophenol
Concen: 118.425 ng
RT: 5.404 min Scan# 563
Delta R.T. -0.006 min
Lab File: BF141737.D
Acq: 24 Feb 2025 11:27

Tgt Ion:112 Resp: 633331

Ion	Ratio	Lower	Upper
112	100		
64	60.4	51.1	76.7
63	32.6	28.4	42.6





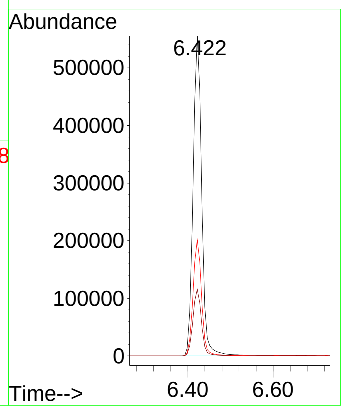
#7
Phenol-d6
Concen: 116.126 ng
RT: 6.422 min Scan# 7

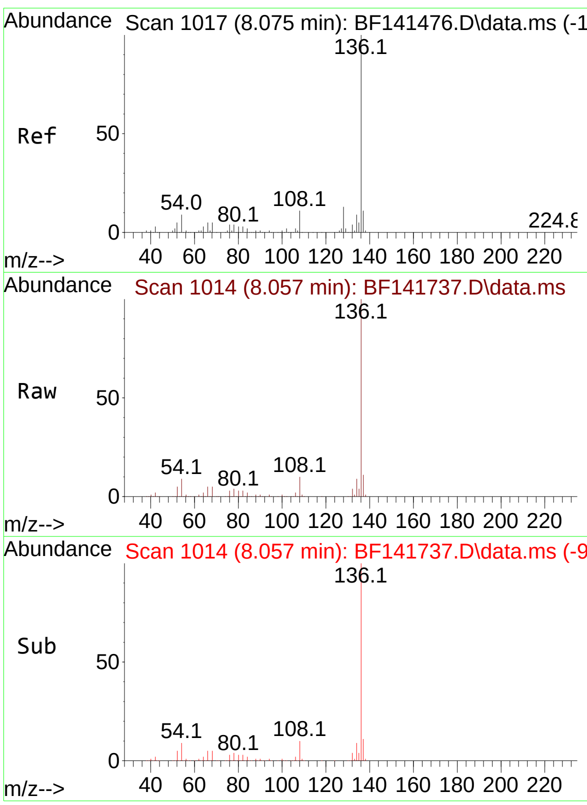
Instrument :
BNA_F
ClientSampleId :
TP8

Delta R.T. -0.017 min
Lab File: BF141737.D
Acq: 24 Feb 2025 11:27

Tgt Ion: 99 Resp: 784939

Ion	Ratio	Lower	Upper
99	100		
42	20.8	19.1	28.7
71	36.3	31.1	46.7

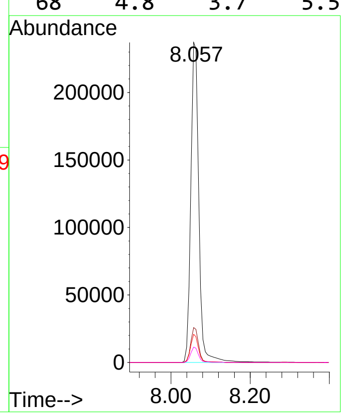


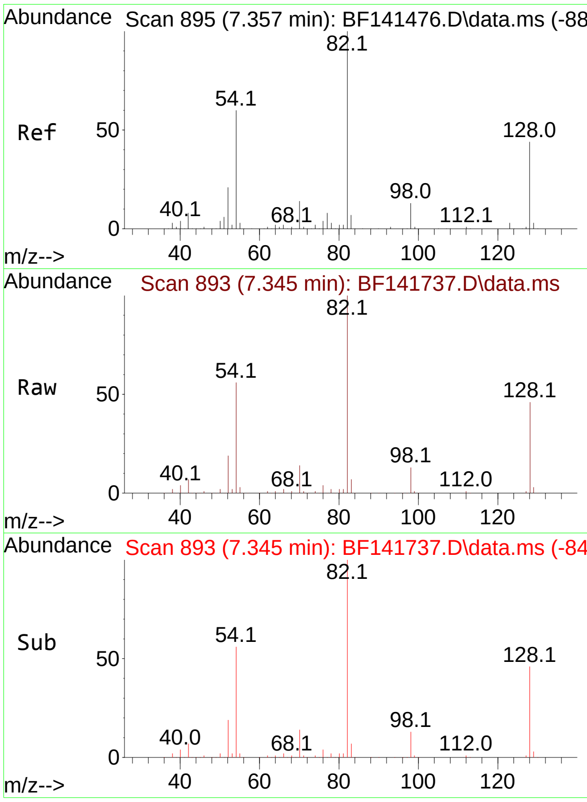


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.057 min Scan# 1014
Delta R.T. -0.017 min
Lab File: BF141737.D
Acq: 24 Feb 2025 11:27

Tgt Ion:136 Resp: 335753

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	8.8	7.2	10.8
68	4.8	3.7	5.5





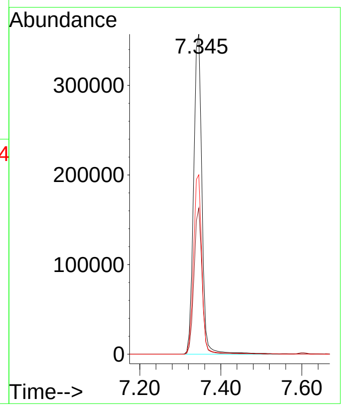
#23
Nitrobenzene-d5
Concen: 79.379 ng
RT: 7.345 min Scan# 89

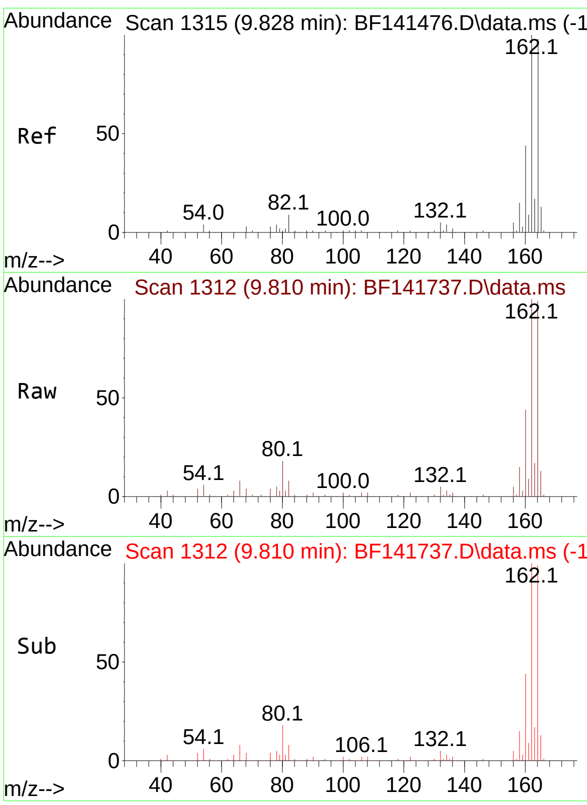
Instrument :
BNA_F
ClientSampleId :
TP8

Delta R.T. -0.017 min
Lab File: BF141737.D
Acq: 24 Feb 2025 11:27

Tgt Ion: 82 Resp: 510976

Ion	Ratio	Lower	Upper
82	100		
128	45.6	34.8	52.2
54	56.0	48.2	72.4

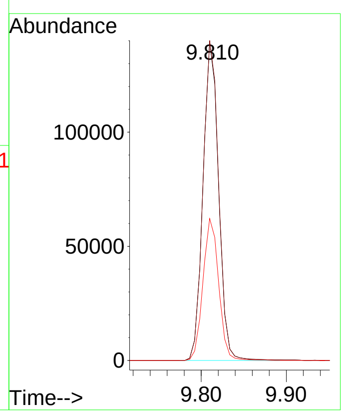


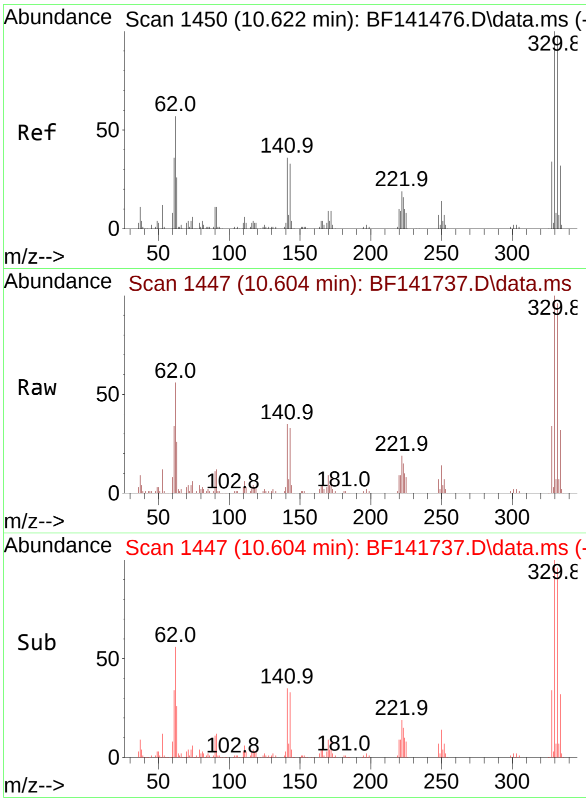


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.810 min Scan# 1312
Delta R.T. -0.023 min
Lab File: BF141737.D
Acq: 24 Feb 2025 11:27

Tgt Ion:164 Resp: 177762

Ion	Ratio	Lower	Upper
164	100		
162	100.5	81.3	121.9
160	44.6	35.9	53.9





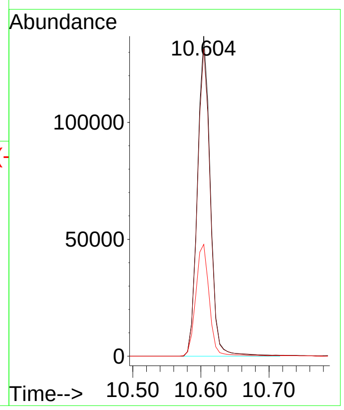
#42
2,4,6-Tribromophenol
Concen: 100.717 ng
RT: 10.604 min Scan# 14

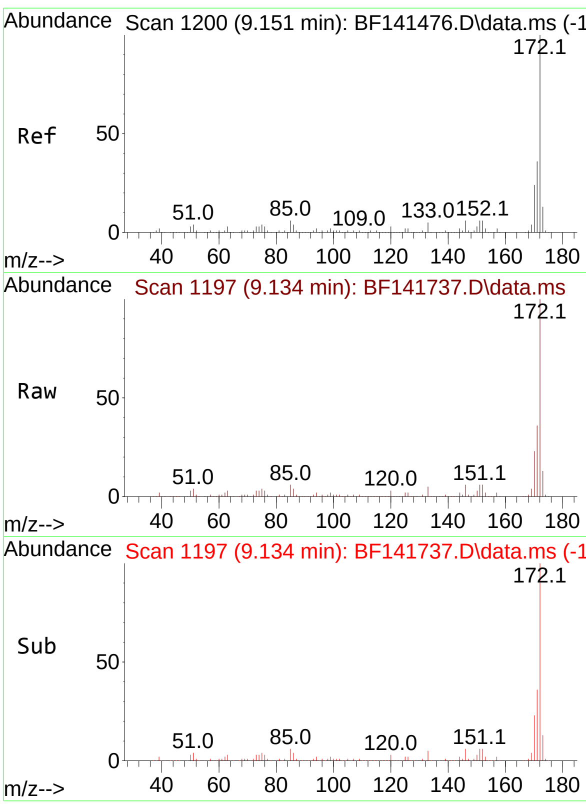
Instrument :
BNA_F
ClientSampleId :
TP8

Delta R.T. -0.023 min
Lab File: BF141737.D
Acq: 24 Feb 2025 11:27

Tgt Ion:330 Resp: 179850

Ion	Ratio	Lower	Upper
330	100		
332	96.0	78.5	117.7
141	36.7	31.0	46.4

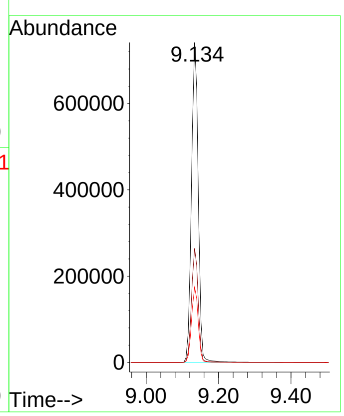


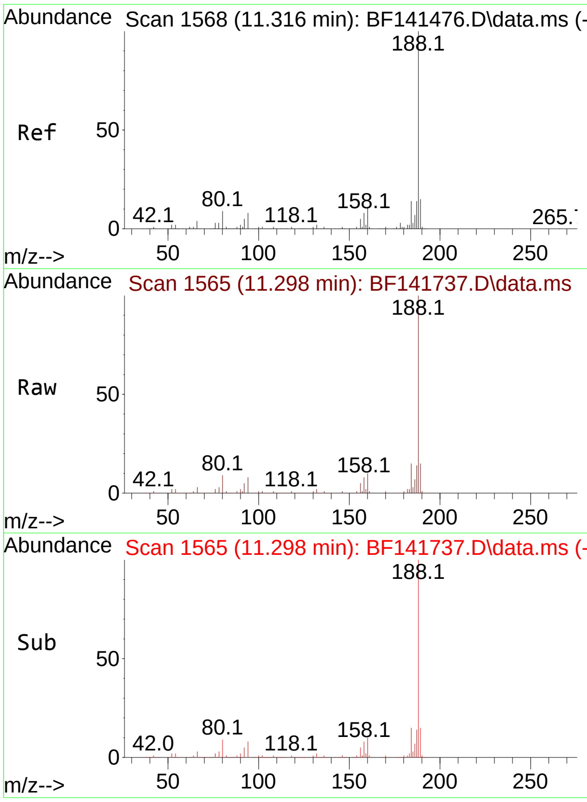


#45
2-Fluorobiphenyl
Concen: 83.623 ng
RT: 9.134 min Scan# 1197
Delta R.T. -0.017 min
Lab File: BF141737.D
Acq: 24 Feb 2025 11:27

Tgt Ion:172 Resp: 964851

Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.7	43.1
170	23.5	18.9	28.3



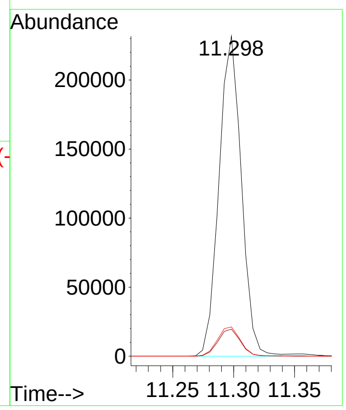


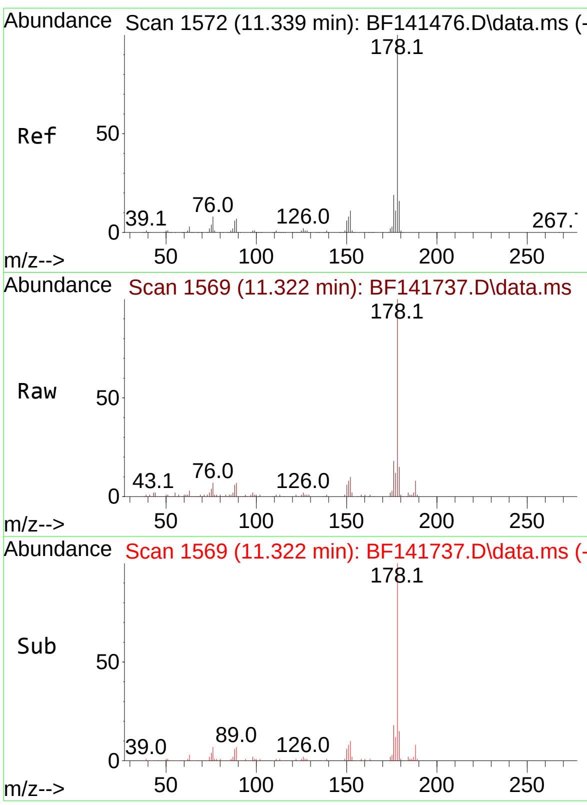
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.298 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141737.D
Acq: 24 Feb 2025 11:27

Instrument :
BNA_F
ClientSampleId :
TP8

Tgt Ion:188 Resp: 295344

Ion	Ratio	Lower	Upper
188	100		
94	8.5	6.6	10.0
80	9.1	7.3	10.9

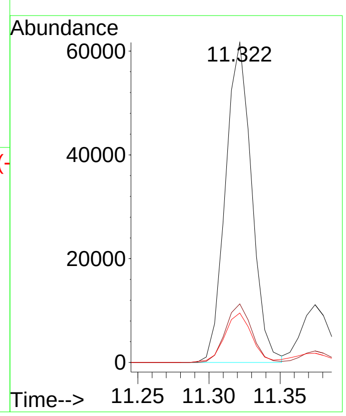


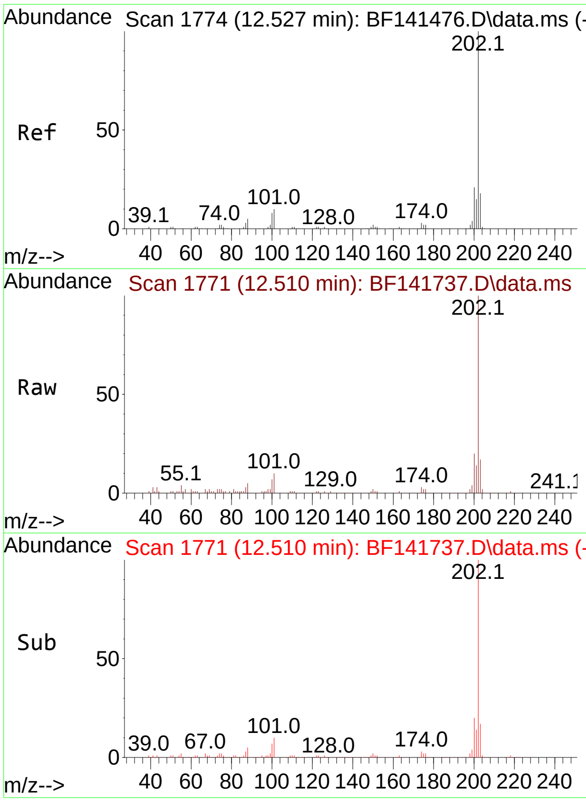


#71
Phenanthrene
Concen: 4.870 ng
RT: 11.322 min Scan# 1569
Delta R.T. -0.023 min
Lab File: BF141737.D
Acq: 24 Feb 2025 11:27

Tgt Ion:178 Resp: 79173

Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.4	23.0
179	15.5	12.4	18.6



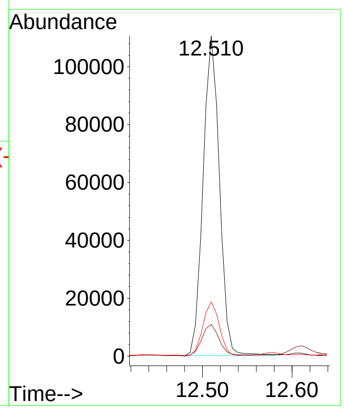


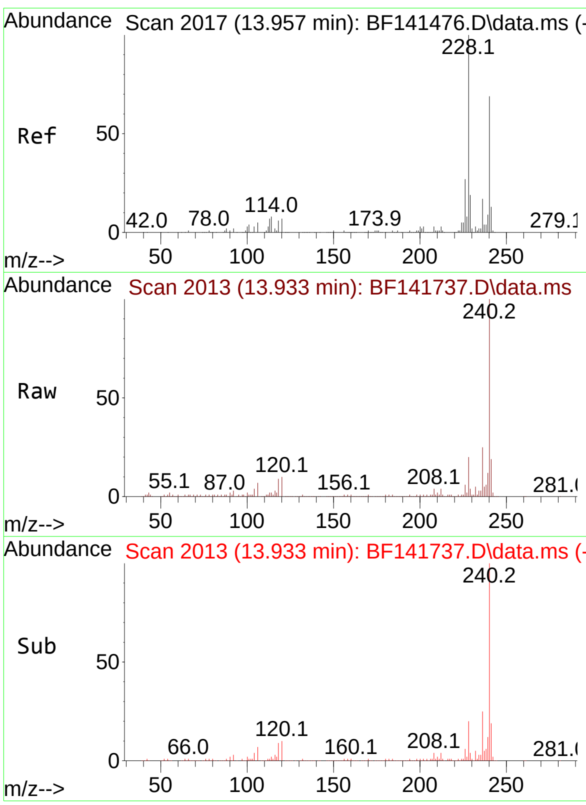
#75
Fluoranthene
Concen: 8.157 ng
RT: 12.510 min Scan# 1
Delta R.T. -0.023 min
Lab File: BF141737.D
Acq: 24 Feb 2025 11:27

Instrument :
BNA_F
ClientSampleId :
TP8

Tgt Ion:202 Resp: 140598

Ion	Ratio	Lower	Upper
202	100		
101	10.0	0.0	30.2
203	16.9	0.0	37.6

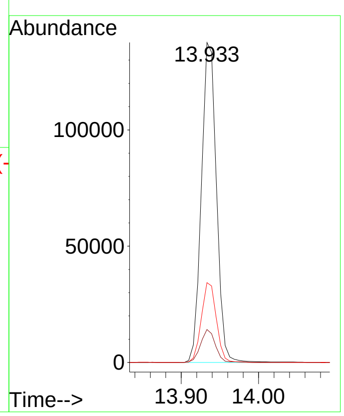


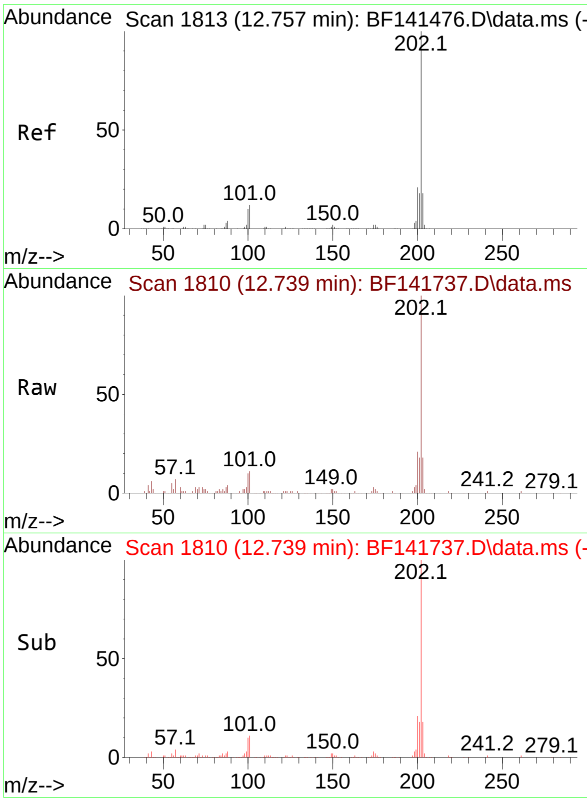


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.933 min Scan# 2013
Delta R.T. -0.029 min
Lab File: BF141737.D
Acq: 24 Feb 2025 11:27

Tgt Ion:240 Resp: 186258

Ion	Ratio	Lower	Upper
240	100		
120	10.3	8.0	12.0
236	25.0	19.8	29.8



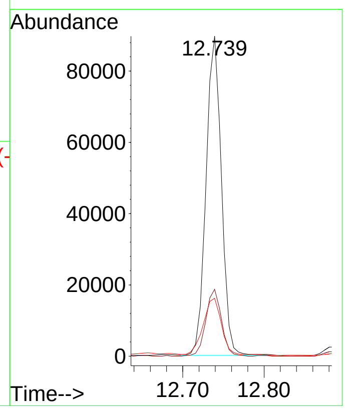


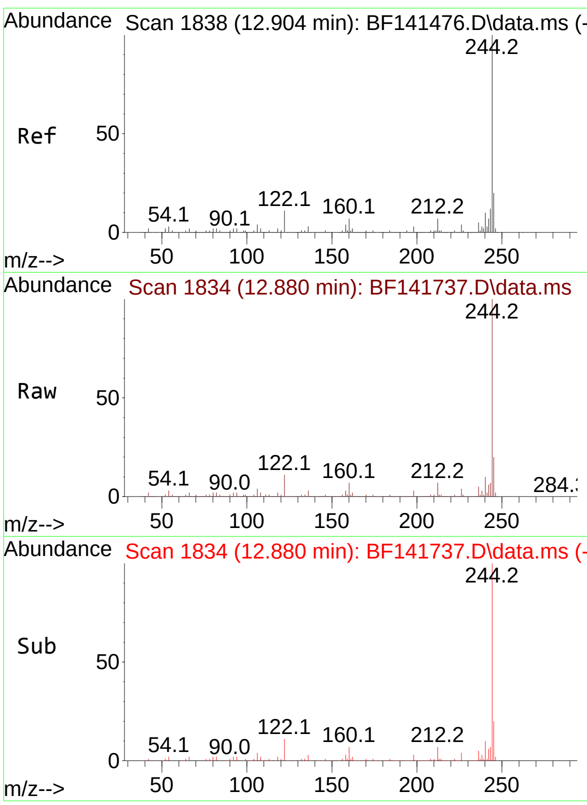
#78
Pyrene
Concen: 7.420 ng
RT: 12.739 min Scan# 1
Delta R.T. -0.023 min
Lab File: BF141737.D
Acq: 24 Feb 2025 11:27

Instrument :
BNA_F
ClientSampleId :
TP8

Tgt Ion:202 Resp: 117646

Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.0	25.4
203	18.1	14.3	21.5

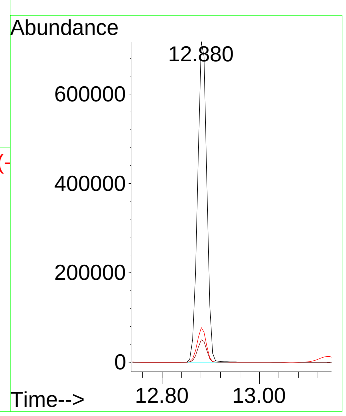


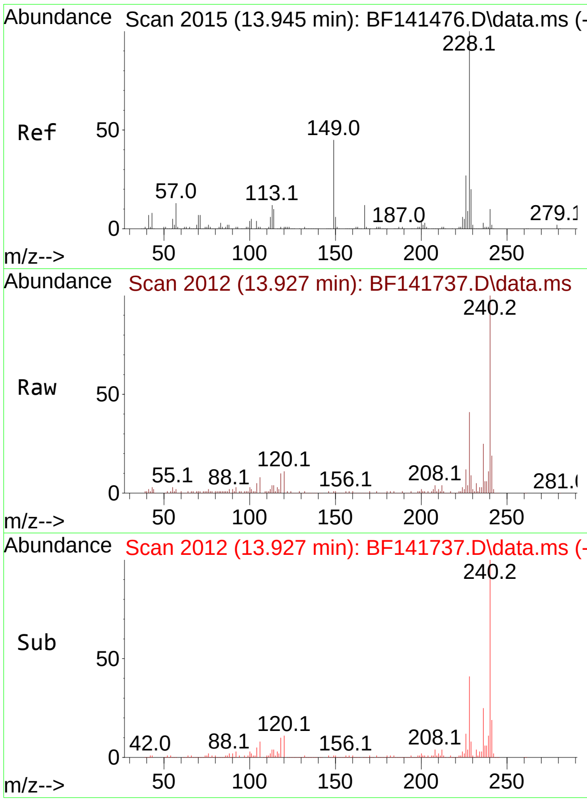


#79
Terphenyl-d14
Concen: 86.178 ng
RT: 12.880 min Scan# 1834
Delta R.T. -0.023 min
Lab File: BF141737.D
Acq: 24 Feb 2025 11:27

Tgt Ion:244 Resp: 950817

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.6	8.4
122	10.8	8.4	12.6



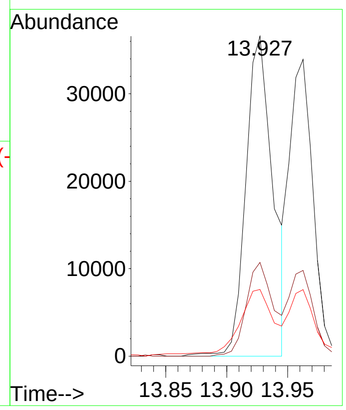


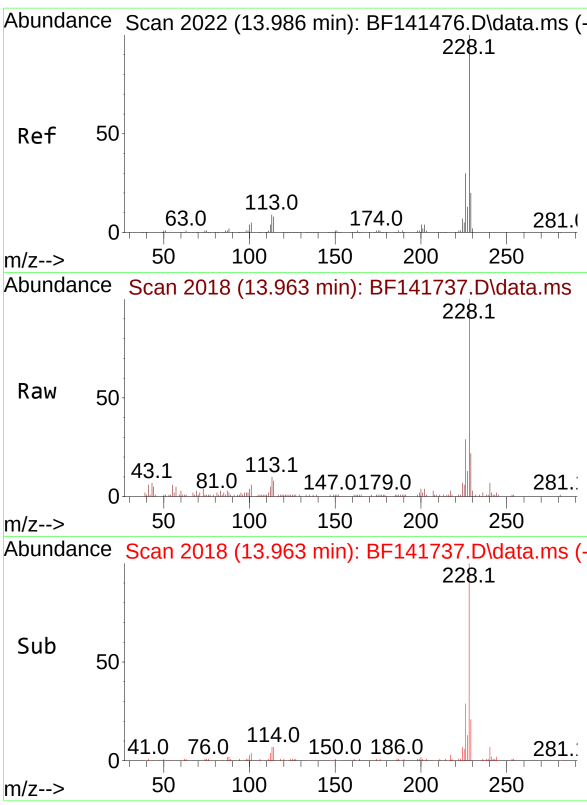
#81
Benzo(a)anthracene
Concen: 4.548 ng
RT: 13.927 min Scan# 2(
Delta R.T.   -0.023 min
Lab File: BF141737.D
Acq: 24 Feb 2025   11:27

Instrument :
BNA_F
ClientSampleId :
TP8

Tgt Ion:228 Resp: 56315

Ion	Ratio	Lower	Upper
228	100		
226	29.3	21.8	32.8
229	20.8	15.8	23.6

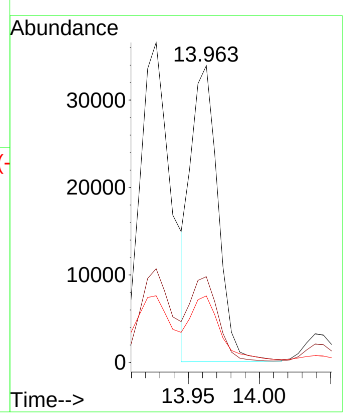


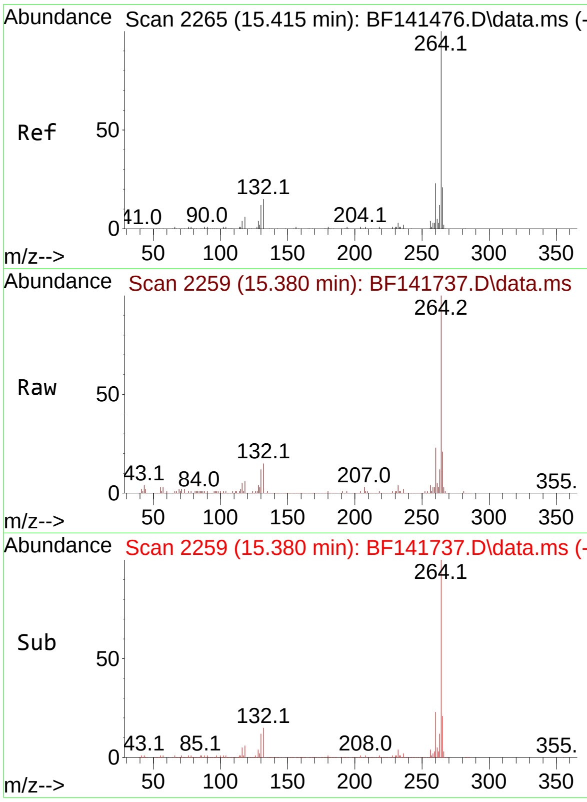


#83
Chrysene
Concen: 3.971 ng
RT: 13.963 min Scan# 2018
Delta R.T.   -0.029 min
Lab File: BF141737.D
Acq: 24 Feb 2025   11:27

Tgt Ion:228 Resp: 45393

Ion	Ratio	Lower	Upper
228	100		
226	28.9	24.0	36.0
229	22.4	15.7	23.5



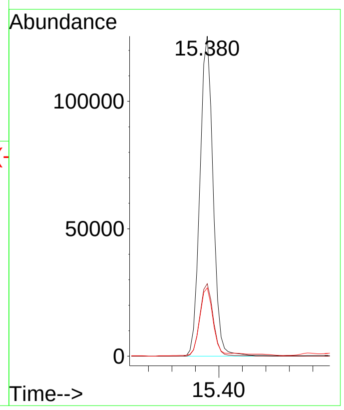


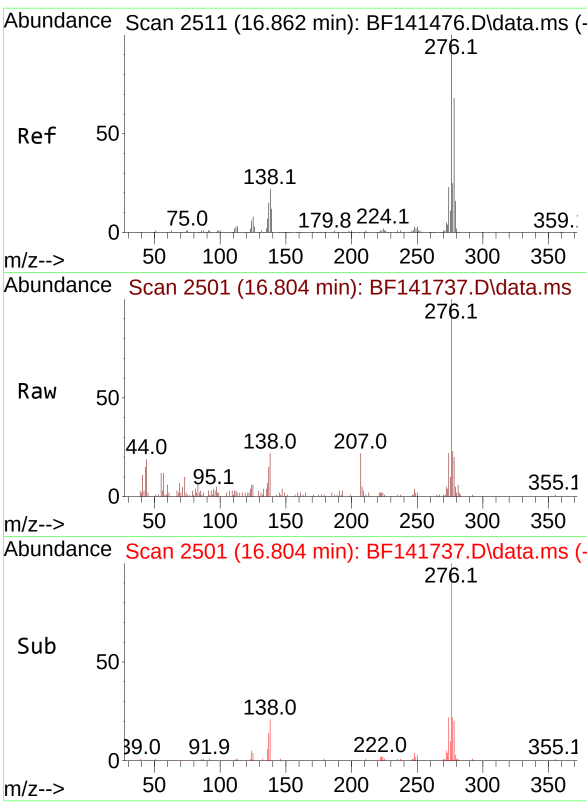
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.380 min Scan# 2
Delta R.T. -0.035 min
Lab File: BF141737.D
Acq: 24 Feb 2025 11:27

Instrument :
BNA_F
ClientSampleId :
TP8

Tgt Ion:264 Resp: 196166

Ion	Ratio	Lower	Upper
264	100		
260	22.7	18.6	28.0
265	21.3	17.0	25.4

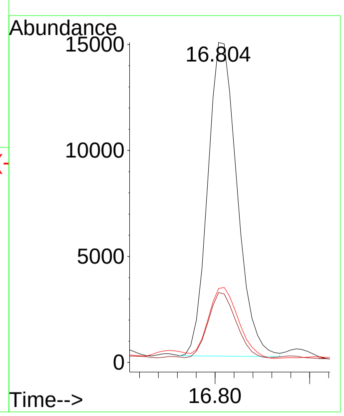


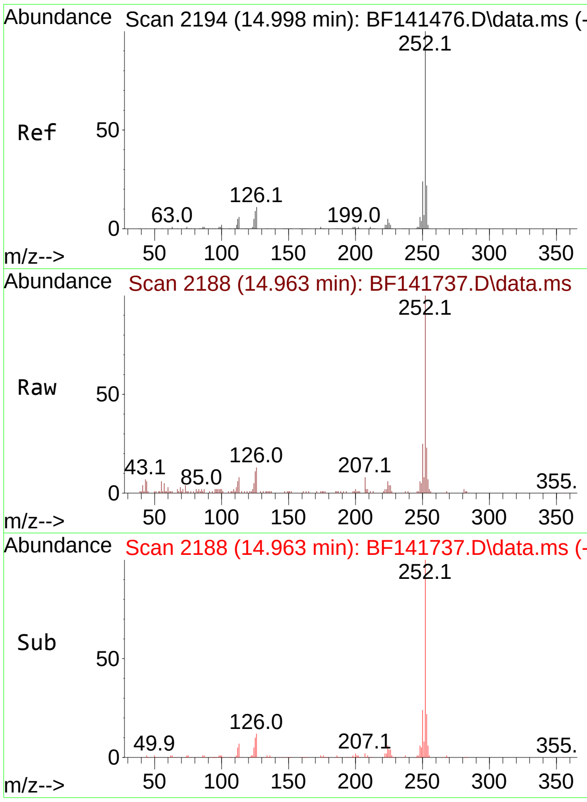


#87
Indeno(1,2,3-cd)pyrene
Concen: 2.640 ng
RT: 16.804 min Scan# 2501
Delta R.T. -0.070 min
Lab File: BF141737.D
Acq: 24 Feb 2025 11:27

Tgt Ion:276 Resp: 32005

Ion	Ratio	Lower	Upper
276	100		
138	23.4	18.0	27.0
277	23.2	20.4	30.6





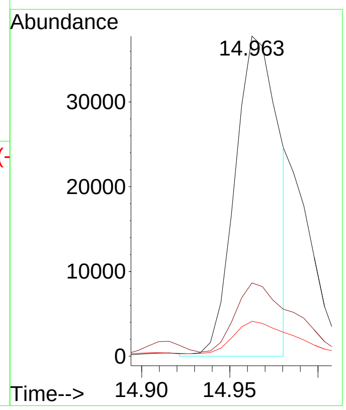
#88
Benzo(b)fluoranthene
Concen: 4.926 ng m
RT: 14.963 min Scan# 2

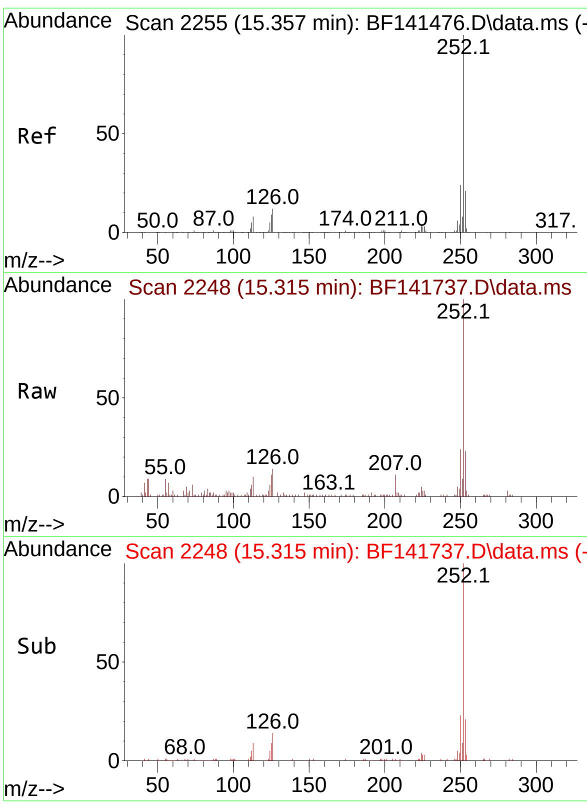
Instrument :
BNA_F
ClientSampleId :
TP8

Delta R.T. -0.041 min
Lab File: BF141737.D
Acq: 24 Feb 2025 11:27

Tgt Ion:252 Resp: 64886

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.5	26.3
125	10.9	7.0	10.6#

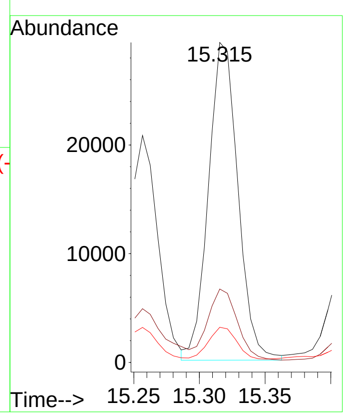


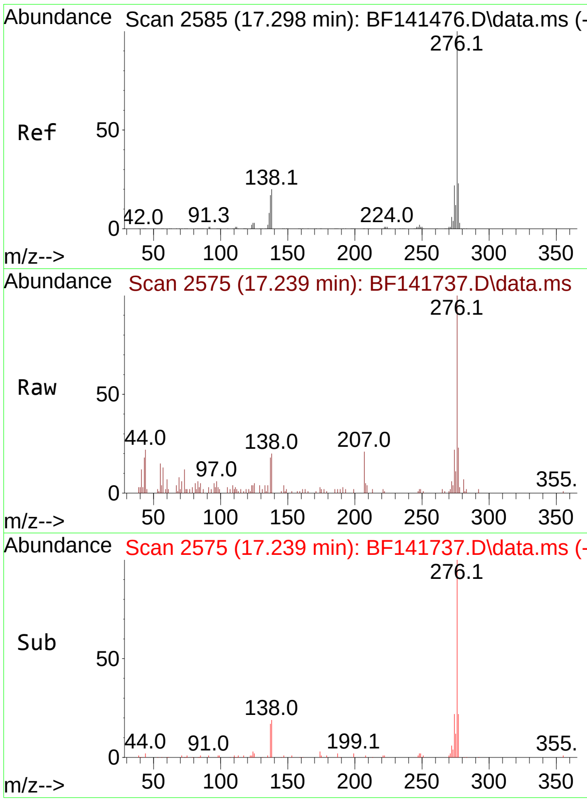


#90
Benzo(a)pyrene
Concen: 4.293 ng
RT: 15.315 min Scan# 2248
Delta R.T. -0.047 min
Lab File: BF141737.D
Acq: 24 Feb 2025 11:27

Tgt Ion:252 Resp: 45755

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.1	25.7
125	11.0	7.4	11.2





#92
Benzo(g,h,i)perylene
Concen: 3.141 ng
RT: 17.239 min Scan# 2
Delta R.T. -0.076 min
Lab File: BF141737.D
Acq: 24 Feb 2025 11:27

Instrument :
BNA_F
ClientSampleId :
TP8

Tgt Ion:276 Resp: 32279

Ion	Ratio	Lower	Upper
276	100		
277	22.9	18.6	28.0
138	19.7	15.9	23.9